

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P632516

Luminaire Tested: GWS-SA2C-830-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-830-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5173.7 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

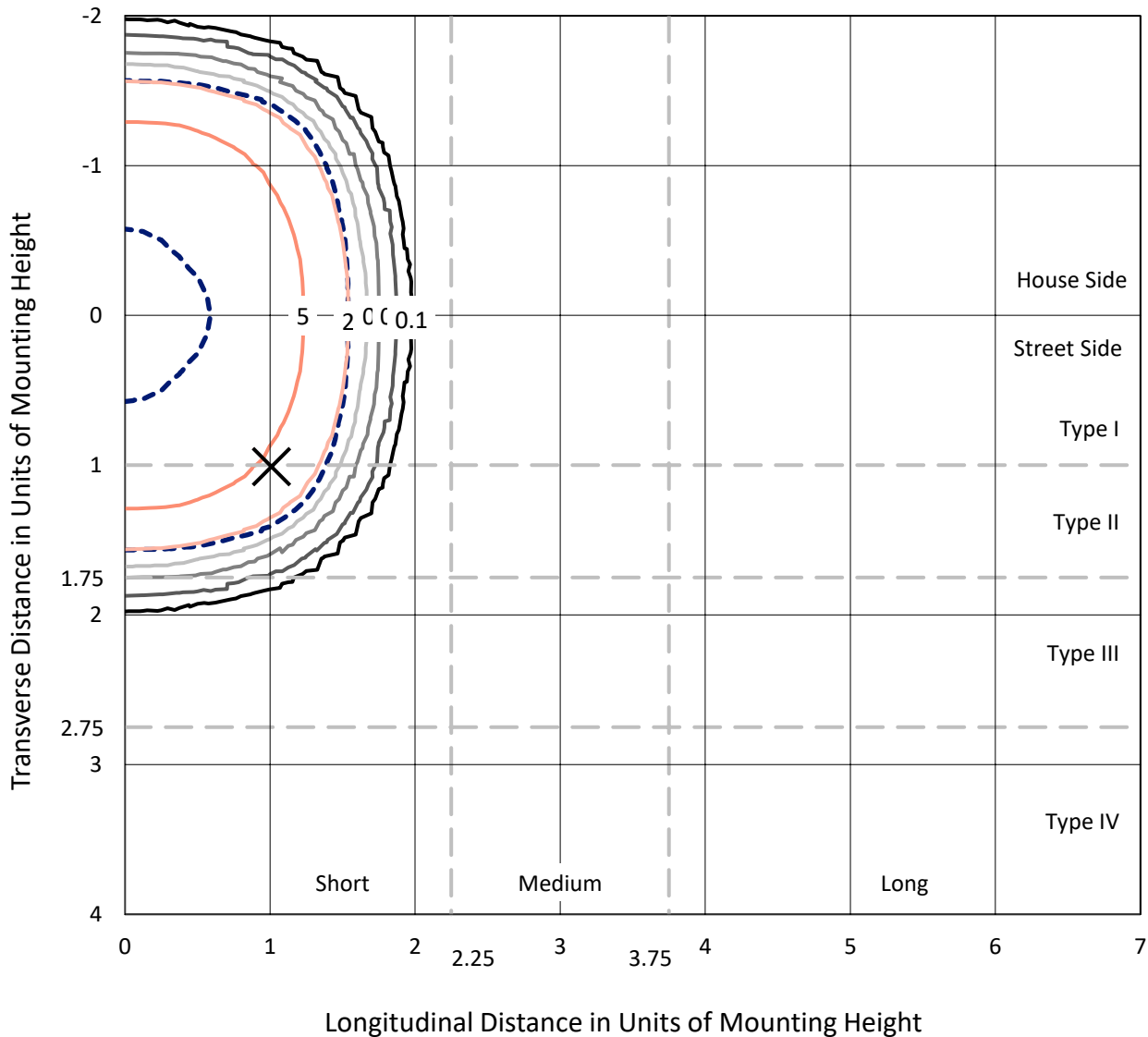
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632516
 CATALOG NUMBER: GWS-SA2C-830-U-5NQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

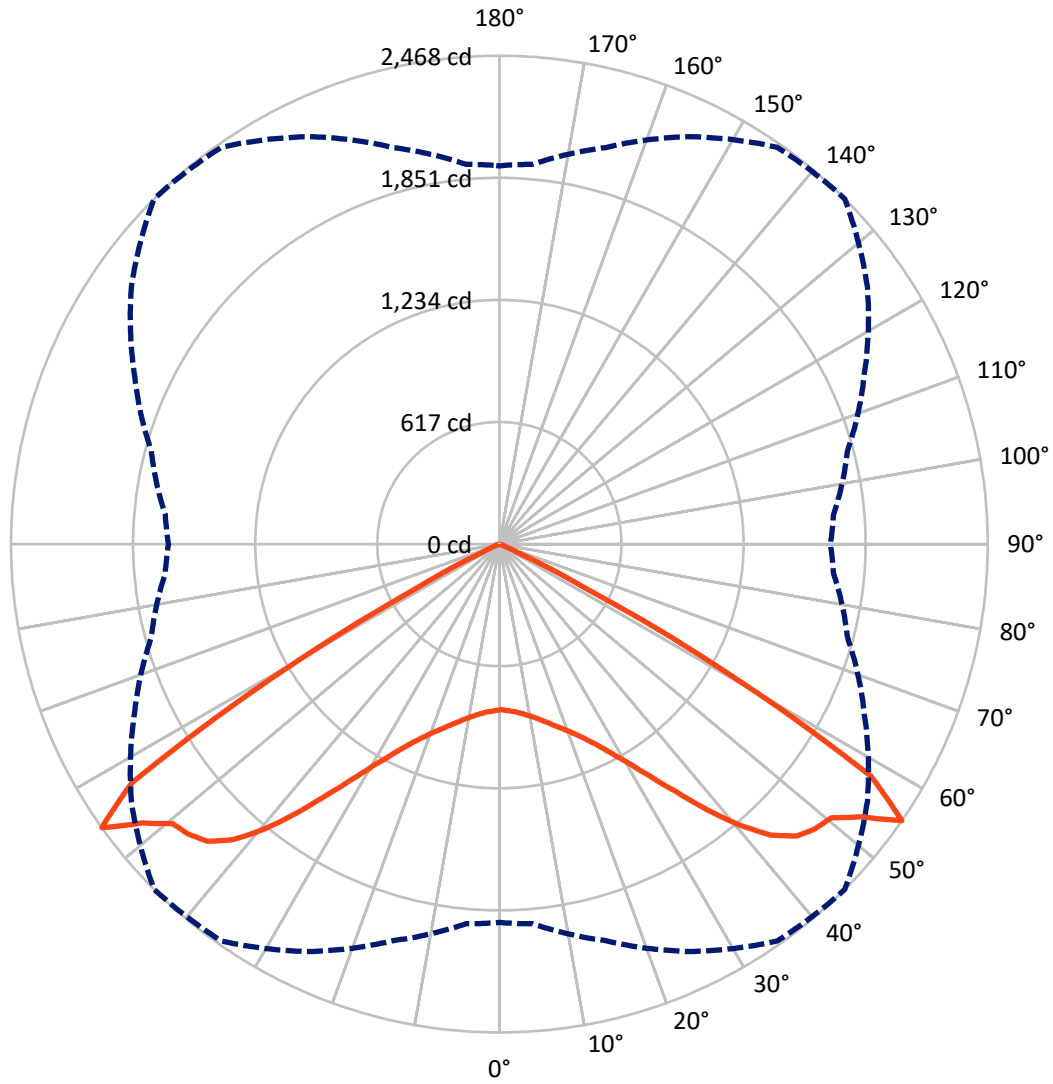
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

REPORT NUMBER: P632516
CATALOG NUMBER: GWS-SA2C-830-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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CATALOG NUMBER: GWS-SA2C-830-U-5NQ-W-GRSBK

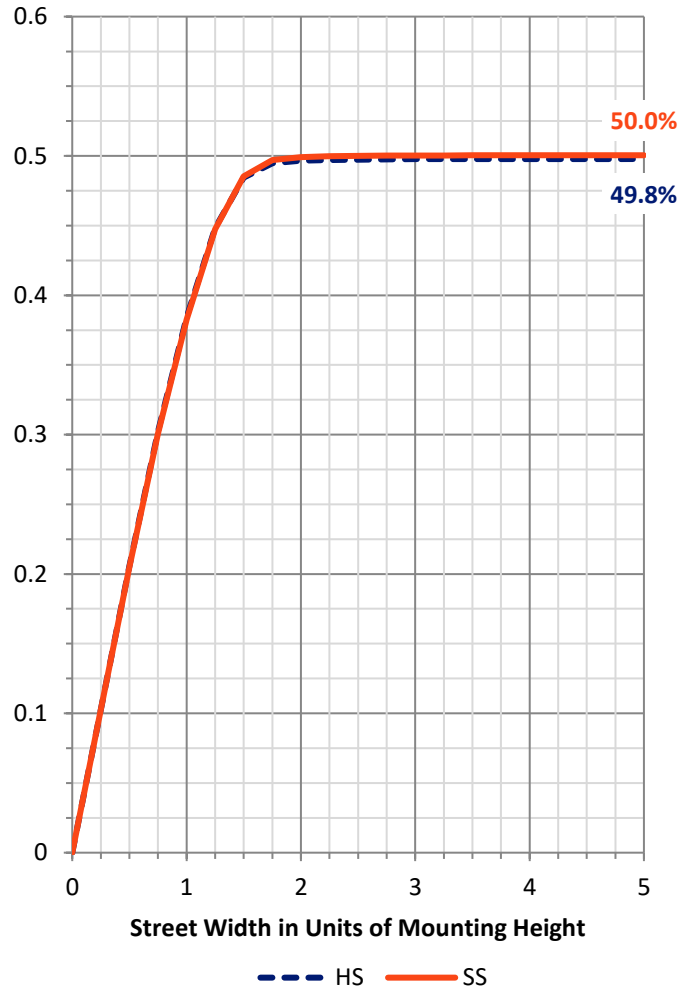
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2586.8	0.0	2586.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2586.8	0.0	2586.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5173.7	0.0	5173.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	1.6
10°-20°	265.7	5.1
20°-30°	514.5	9.9
30°-40°	921.8	17.8
40°-50°	1545.4	29.9
50°-60°	1654.3	32.0
60°-70°	181.8	3.5
70°-80°	8.0	0.2
80°-90°	0.4	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5173.7	100.0
0°-180°	5173.7	100.0

Coefficient of Utilization



REPORT NUMBER: P632516

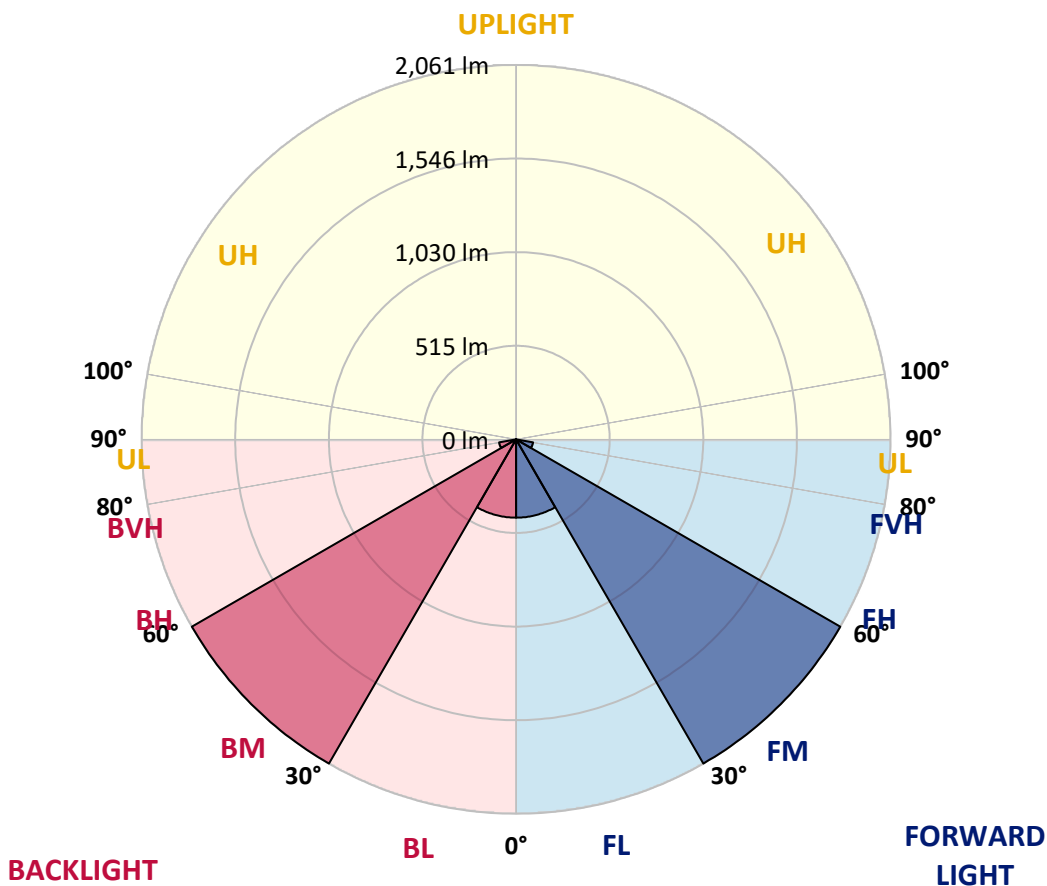
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.1	8.3			
FM (30°-60°)	2060.7	39.8			
FH (60°-80°)	94.9	1.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	431.1	8.3	B1/500		
BM (30°-60°)	2060.7	39.8	B2/2500		
BH (60°-80°)	94.9	1.8	B0/110		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





REPORT NUMBER: P632516

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5	836.5
2.5°	834.9	834.9	837.0	838.6	838.6	842.8	841.2	839.7	839.7	837.5	841.8
5°	847.0	846.5	848.6	849.7	847.6	851.8	849.1	847.6	846.5	844.4	848.6
7.5°	860.2	860.7	861.3	863.4	862.3	866.5	864.4	861.3	860.2	857.0	861.3
10°	876.0	876.0	877.1	879.7	880.2	885.5	883.4	879.7	876.5	873.4	877.6
12.5°	896.0	896.6	898.2	901.8	904.0	909.8	906.6	899.2	894.5	890.8	895.5
15°	925.0	924.5	926.6	931.9	934.5	938.7	934.0	924.0	918.2	914.0	917.1
17.5°	956.7	956.7	957.7	963.0	966.7	973.0	967.2	955.1	949.8	944.0	947.2
20°	991.5	993.0	994.1	997.8	1004.1	1010.4	1005.7	993.6	987.8	980.4	984.1
22.5°	1037.3	1035.7	1036.3	1042.6	1051.5	1057.9	1054.2	1039.9	1029.9	1024.1	1026.2
25°	1088.4	1087.9	1089.5	1099.0	1109.0	1115.8	1110.6	1092.1	1082.1	1072.1	1076.3
27.5°	1151.2	1151.7	1152.7	1164.3	1180.1	1190.2	1177.0	1158.5	1144.8	1131.7	1134.8
30°	1225.5	1224.4	1227.6	1243.4	1266.6	1282.4	1267.1	1241.3	1221.8	1209.1	1210.7
32.5°	1304.5	1305.6	1314.0	1339.3	1369.9	1397.8	1366.7	1332.5	1307.2	1283.5	1286.6
35°	1389.9	1392.6	1411.5	1449.0	1499.0	1536.5	1493.2	1436.8	1401.0	1370.4	1371.5
37.5°	1490.6	1496.9	1523.3	1579.2	1650.8	1700.9	1637.7	1562.8	1516.4	1478.5	1475.8
40°	1622.9	1630.3	1666.1	1732.5	1819.5	1865.4	1792.1	1715.1	1657.7	1616.6	1610.3
42.5°	1774.7	1784.2	1823.2	1891.2	1978.2	2009.3	1937.6	1872.7	1821.1	1772.6	1770.5
45°	1946.0	1951.3	1982.9	2035.1	2097.8	2105.2	2051.4	2015.6	1963.4	1918.1	1914.4
47.5°	2106.8	2112.0	2133.6	2160.5	2175.3	2148.9	2139.4	2123.6	2056.2	2000.3	1988.7
50°	2229.1	2233.3	2260.2	2270.7	2229.6	2173.7	2192.2	2158.4	2085.2	2022.4	2004.5
52.5°	2220.6	2231.2	2300.2	2360.3	2334.5	2289.1	2239.6	2166.9	2053.0	1967.1	1945.0
55°	1911.7	1926.0	2074.1	2271.7	2448.3	2467.8	2269.6	2035.1	1821.1	1695.1	1672.4
57.5°	1228.6	1232.3	1413.1	1690.4	2088.3	2213.8	1882.2	1534.4	1268.2	1129.5	1120.1
60°	451.7	444.3	580.9	810.7	1202.8	1335.6	1107.9	775.9	553.4	455.4	447.5
62.5°	108.6	109.6	136.0	204.0	377.4	467.0	369.0	206.1	131.2	110.2	109.1
65°	54.8	53.8	54.3	58.5	80.6	96.5	79.1	55.9	53.8	54.3	53.8
67.5°	35.3	34.8	35.8	36.4	35.8	33.7	33.2	34.3	34.3	34.8	33.7
70°	21.6	21.1	22.1	23.7	22.7	20.0	21.1	22.1	21.1	20.6	20.6
72.5°	11.6	11.6	12.7	13.7	12.7	11.6	11.6	12.1	11.6	11.6	11.6
75°	5.3	5.3	5.8	6.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
77.5°	1.6	1.6	2.1	2.1	1.6	1.6	1.6	1.6	2.1	2.1	2.1
80°	0.5	1.1	1.1	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)